



Packard

Model 124 Magnetic Tape System

Bulletin 1089

General Description

The Packard Model 124 Magnetic Tape System consists of a Potter MT-24 Tape Transport, manual control unit, and suitable read/write electronics, and is completely compatible with IBM systems such as the 729 and 7330. Packing densities of 200, 556 and 800 characters per inch.

Read/Write speeds of 3, 7.5, 15 and 24 ips are standard with the MT-24, with fast two and one-half minute rewind. Start/Stop profiles are smooth and without program restriction free over a command frequency rate up to 200 per second. Other design innovations provide simplified tape loading, convenient transport adjustments, and easier maintenance.

Features

- highest performance and reliability for lowest price
- up to 28.8 kc data transfer (800 bpi)
- Compatible with IBM 729 and 7330 at all packing densities

- low interchannel time displacement
- fast, smooth Start/Stop performance
- new vacuum cleaning incorporated in trough guides
- new over-and-under vacuum storage system
- vacuum muffled for silent operation
- fast two and one-half minute rewind
- tape loading
- rapid, consistent tape stops with new vacuum tape drag

Drive Electronics & Control

All MT-24 transport functions are controlled by a combined drive electronics and manual control assembly supplied with the transport. This compact package contains all control electronics, together with necessary power supplies and blower for automatic or manual operation. Electronics are solid-state, and feature printed circuit, plug-in modules. Controls include a power ON/OFF switch and a LOAD POINT/UNLOAD switch, and three operating mode selector switches. LOAD-MANUAL-AUTOMATIC, REVERSE-STOP-FORWARD, and FAST REVERSE-STOP FAST FORWARD. For remote operation, the LOAD-MANUAL-AUTOMATIC switch is placed in the AUTOMATIC position; other controls in the STOP position.

Accessories

Transport Accessories

- **Read/Write Heads.** A complete selection of magnetic heads is available, including heads for IBM 7-channel format. Heads are all metal, precision fabricated for maximum tape life and minimum interchannel time displacement.
- **Reels & Hubs.** IBM-type reels and hubs are standard equipment on MT-24 transports for